

SEQUENCE LISTING

<110> Alleman, Arthur
Barbet, Anthony

<120> Polynucleotides and Polypeptides of Anaplasma Phagocytophilum And
Methods of Using the Same

<130> UF-387

<160> 4

<170> PatentIn version 3.2

<210> 1

<211> 742

<212> DNA

<213> Anaplasma phagocytophilum



<220>

<221> misc_feature

<222> (29)..(250)

<223> Coding sequence of processed MSP5 polypeptide

<220>

<221> misc_feature

<222> (29)..(610)

<223> 5' and 3' ends of cloned MSP5 insert

<400> 1

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agcgccgata ttggcttctt ttactgatct gataaatcaa gaaggtcagg ttgttagtag	180
cactgatttt gctgggaagc acatgttgct tatgttcggc ttttcttcat gcaagcacat	240
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taaacttcaa gctgttttca taactattga tcccaaaaat gacactgttg aaagggttaa	360
tgagtatcac aaagcctttg atagtcgaat tcagatgctg actggggatg aggaagttat	420
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tcctgatttt gatgaatacg aaagtcaagt aggtagactt tttgatttcg ttaataagta	600
ccctacttct aagggcgaat tcgaagctta cgtagaacia aaactcatct cagaagagga	660
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 <211> 74
 <212> PRT
 <213> Anaplasma phagocytophilum

<400> 2

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Pro Ile Leu Ala Ser Phe Thr Asp Leu Ile Asn Gln Glu Gly Gln Val
 35 40 45

Val Ser Ser Thr Asp Phe Ala Gly Lys His Met Leu Leu Met Phe Gly
 50 55 60

Phe Ser Ser Cys Lys His Ile Cys Pro Ala
 65 70

<210> 3
 <211> 89
 <212> PRT
 <213> Anaplasma phagocytophilum

<400> 3

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 20 25 30

Met Gly Ala Lys Leu Ser Ser Thr Asp Thr Val Val Glu Gln Ala Pro
 35 40 45

Ile Leu Ala Ser Phe Thr Asp Leu Ile Asn Gln Glu Gly Gln Val Val
 50 55 60

Ser Ser Thr Asp Phe Ala Gly Lys His Met Leu Leu Met Phe Gly Phe
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Ser Ser Cys Lys His Ile Cys Pro Ala
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<210> 4
<211> 15
<212> PRT
<213> Anaplasma phagocytophilum

<220>
<221> MISC_FEATURE
<222> (1)..(15)
<223> MSP5 signal peptide

<400> 4

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